HERITAGE®
BATHROOMS

Installation Manual

Victoria Thermostatic Integrated Shower Valve SVEC03

www.heritagebathrooms.com

5 YEAR GUARANTEE

800408/A

INTRODUCTION

Thank you for buying the Heritage Victoria Semi-Intergrated Thermostatic Valve and Kit. The unit has undergone vigorous quality control procedures to ensure you receive a quality product. The unit has been factory pre-set to a temperature of 43°Celsius. Please read these instructions carefully and ensure the shower valve is installed to Local Water Authority regulations. If in doubt, contact a registered plumber or the Secretary of Institute of Plumbing, address as follows:

Institute of Plumbing
64 Station Lane
Hornchurch
Essex
RM21 6NB.
Tel: 0170 847 2791

SITE REQUIREMENTS.

To ensure the correct operation of your shower mixing valve it is important to fully understand your site installation. This valve will suit the following -

HIGH PRESSURE
MAINS PRESSURE
PUMPED PRESSURE
UNEQUAL PRESSURE
GRAVITY PRESSURE

Please note:-The shower mixing valve may require slight adjustment depending on your site installation. See ***Fig 1***.

GENERAL.

The installation, commissioning and maintenance must be carried out in accordance with instructions supplied and be installed by qualified and competent persons.

1) Before commencing isolating valves should be installed on both hot and cold supplies for flushing out and servicing purpose.
2) Both supply pipes must be flushed before connecting mixing valves to ensure no pipe/plumbing debris enters the mixing valve.
3) A simple way of flushing out the pipes is to fit the outlet adaptor to the pipe and secure with the compression nut and olive, fit the hose to the adaptor and flush out pipes to the waste.
4) Please fit strainers / filters supplied to ensure no debris enters the mixing valve.
5) In hard water areas the mixing valve may require more frequent de-scaling and cleaning and servicing.

IMPORTANT INFORMATION

This product is supplied with dish filters that go between the straight isolators and the non- return valve adaptors. Failure to fit these will invalidate the guarantee.

TEMPERATURE CONTROL.

Minimum cold water supply temperature: **5°C**
Maximum cold water supply temperature: **20°C**
Maximum hot water supply temperature: **85°C**
(a temperature of 60-65°C is recommended for ablutionary installations)

Note! A suitable hot water temperature control device should be installed to reduce temperatures exceeding the above maximum hot water supply temperature.
Minimum temperature differential between hot supply and outlet temperature: **10°C** (eg. shower temperature 43°C: minimum hot supply 53°C)
Factory pre-set temperature: **43°C. See *Table 1*.**
Thermostatic control range **38-45°C**

OPERATING PRESSURES

Minimum dynamic pressure (gravity): **0.2 bar** (20kPa) or 2 metre head of water
Maximum dynamic pressure (mains):**5.0 bar** (500kPa)
Maximum static pressure **10 bar** (1000kPa)
Maximum pressure differential: **10:1**(either supply) eg. Cold 1 bar Hot 0.1 bar. For optimum performance, supply pressures should be **equal**.
Note! A suitable pressure control device should be installed to reduce supply pressures exceeding the above maximum pressure specification.

FLOW PERFORMANCE

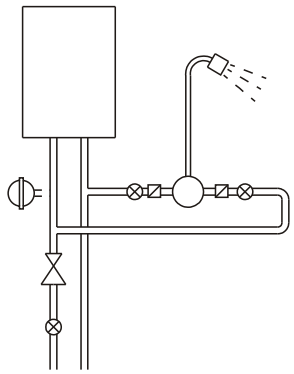
Pressure (Bar)	0.2	0.3	0.4	0.5	1	2	3
Rose	6	8	9.5	10.5	15	21	26
Handset	4	6	7	8	11	16	20

Table 1

The above flow rates are in L/min with no flow limiters fitted.

COMPATIBLE SYSTEMS

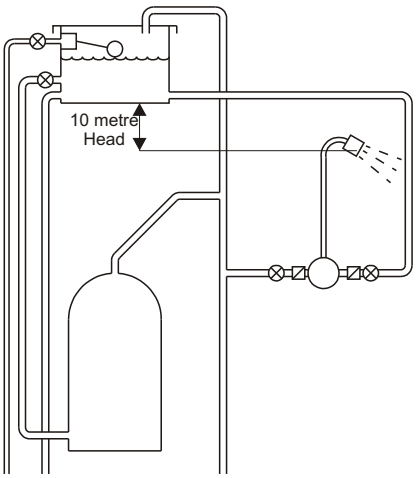
Instantaneous heated system (Gas or Electric)



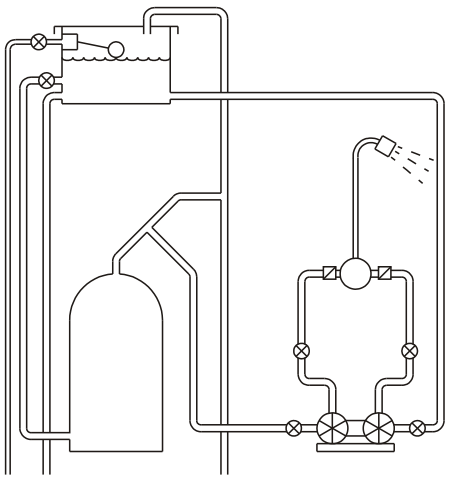
Key

- Shower inc. non-return valves
- Isolating valve
- Tempering valve
- Pressure regulating valve
- Strainer
- Expansion vessel (optional)
- Twin Impeller Pump

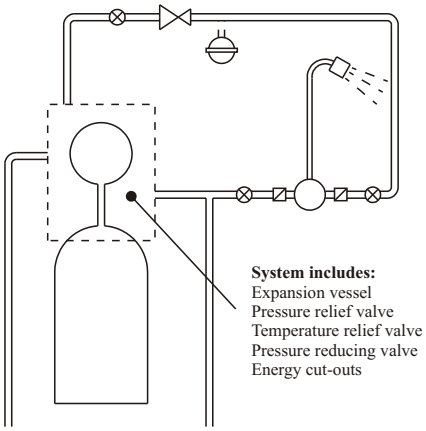
Gravity fed system



Pumped system



Unvented mains pressure system



Mains pressurised hot water system

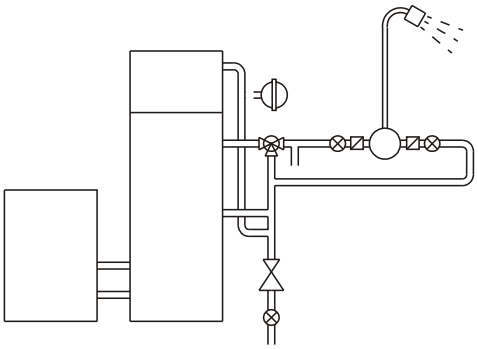


Fig 1

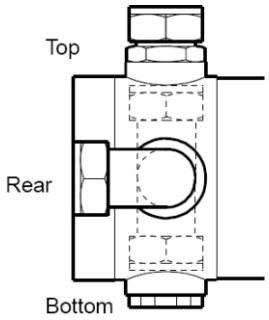
The above systems are typical types that this product will accommodate. If however your cold water supply to the valve is mains pressure then the following will apply:-

Hot supply above 5 metre (0.5 bar). Mains cold supply up to 10 bar. Fit 10 litre (yellow) limiter into cold inlet elbow & 6 litre (grey) into hot inlet.

INSTALLATION

General

1. The installation, commissioning and maintenance must be carried out in accordance with instructions supplied and be installed by qualified and competent persons.



2. Installations must comply with all Local and National Water Authority Regulations, and Buildings and Plumbing Regulations.

3. Ensure all site requirements correspond to the information in the specification section.

4. Do not install the unit where it could become frozen.

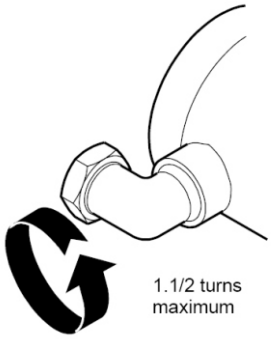
5. Accessible isolating valves must be fitted for servicing.

6. Supply pipework must be flushed before connecting mixing valve.
7. Fitting inlet strainers supplied is **essential** to stop debris entering the valve.

Valve body installation

1. Before mounting the valve to the wall the position for pipework should be decided. Three positions-Top, bottom and rear are available simply by rotating the elbows in the valve body.

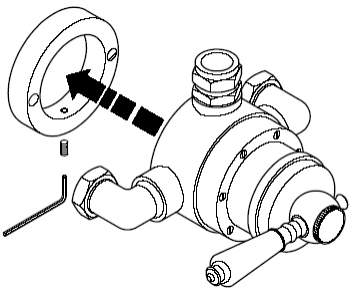
With the elbows screwed fully against the valve body it can be unscrewed 1.1/2 turns to allow for lateral tolerance.



2. By removal of the backplate the valve body base clearly identifies the hot inlet and cold inlet elbows. It is important to connect these correctly.

3. Use the backplate as a template to mark position of the fixing holes. (See page 7 for position.)

4.Drill and plug the wall to suit screws provided and secure backplate to wall.



5. Locate valve body into backplate and lock with grubscrew.

6. Connect inlet pipes to elbows.

7. Fit the short riser pipe to the outlet of the valve via 1" compression

Two way diverter installation.

1. Connect the 2 way diverter to the top of the short riser tube via 1" compression. **<u>Important note:</u> The Diverter should be fitted with the swiv**el **elbow to the Right when viewed from the front.**
2. Connect handset to 1.5 metre chrome hose ensuring there is a rubber washer present to form a watertight seal.
3. Connect the other end of the hose to the swivel elbow on the 2 way diverter ensuring a rubber washer is present to create a watertight seal.

Overhead kit installation

1. The overhead kit is supplied with the handset holder and wall support bracket already fitted to the long riser pipe, both are adjustable and will slide up and down on the riser pipe.

2. The swivel ball valve should now be fitted to the overhead bracket, and the overhead shower rose should subsequently be fitted to the swivel ball valve via the ½"BSP threads on the products.

3. Remove the wall mounting boss from the wall support bracket by undoing the grub screw that holds it in place. Use this as a template to mark the wall at the correct position. (Please refer to page 7 to get the size of 1860 mm. Drill and plug the wall to suit screws provided and secure to the wall.

4. Fit the glass mounted end support bracket through the mounting hole in the glass and secure using a force no greater than 10n/m

5. Assemble overhead bracket to the pipework but leave all compression fittings loose. **Important note: make sure the end of the overhead bracket with the through hole to the ½ bsp thread is to the shower side of the assembly.**

6. Place the end of the tube into the 2 way diverter making sure that the wall support bracket slips over the wall mounting boss. The other end of the tube is placed into the end bracket and pushed down to its final resting place. The overhead bracket has been designed to give 100 mm of adjustment to compensate for various widths of shower cubicle.

7. When you are satisfied with the position and alignment of all the component parts, tighten up the grub screw on the bottom of the wall bracket.

8. Tighten the compression fittings on top of the diverter and at either end of the overhead bracket, taking great care not to cause damage to the chrome parts when tightening.

9. Place handset into sliding bracket.

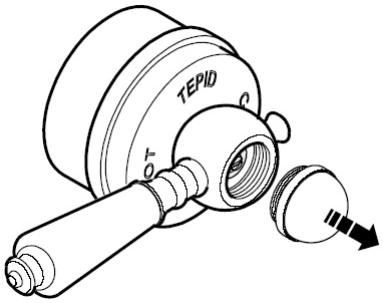
10. Initiate the water supply to the valve and check for leaks. Tighten fittings where necessary.

11. Please refer to page 6 For calibration method which **must** be completed prior to using the thermostatic showering product.

COMMISSIONING

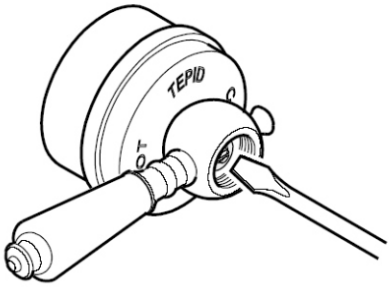
Temperature Adjustment

1. Unscrew and remove the centre indice to reveal retaining screw.



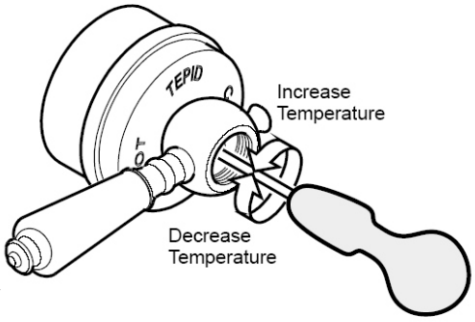
2. Turn the valve on and move the temperature control fully anticlockwise to the maximum hot position.

3. Remove the retaining screw using a suitable screwdriver. **Note: water will flow from the centre hole this is normal.**



4. Using a small thin bladed screwdriver, locate the inner temperature adjusting screw

5. To increase temperature turn anticlockwise. To decrease temperature turn clockwise.



6. Replace the retaining screw once the desired temperature is set.

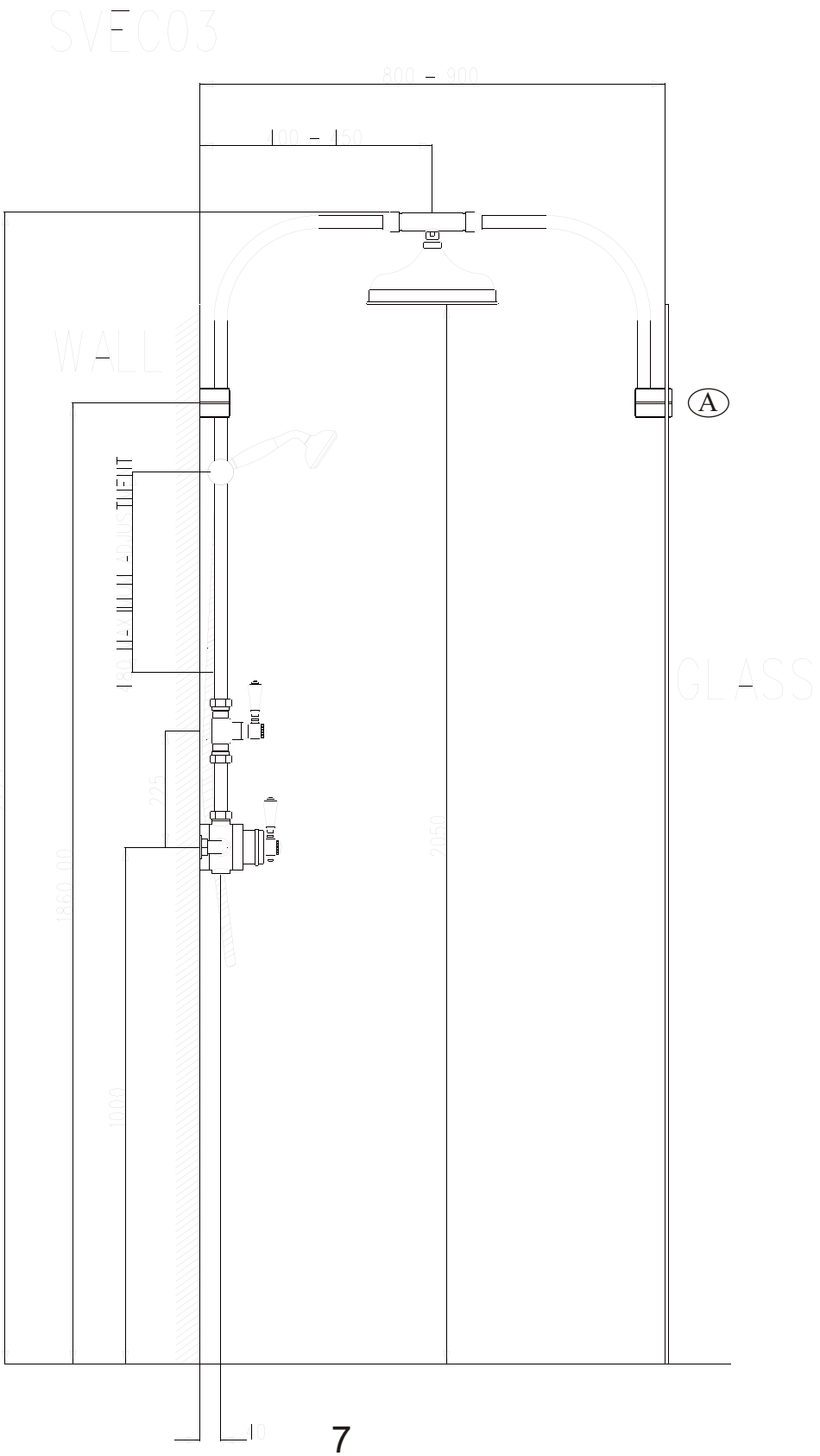
7. Turn the shower off and replace the centre indice.

SEMI-INTERGRATED BASIC DIMENSIONS.

The line drawing below, ***Fig 3***, shows the dimensions for the Victoria semi-intergrated shower valve.

All dimensions are in mm.

Note: Items being secured to the shower screen in positions (A) maximum torque of 10n/m.



SEMI-INTERGRATED VALVE BLOW-OUT DRAWING

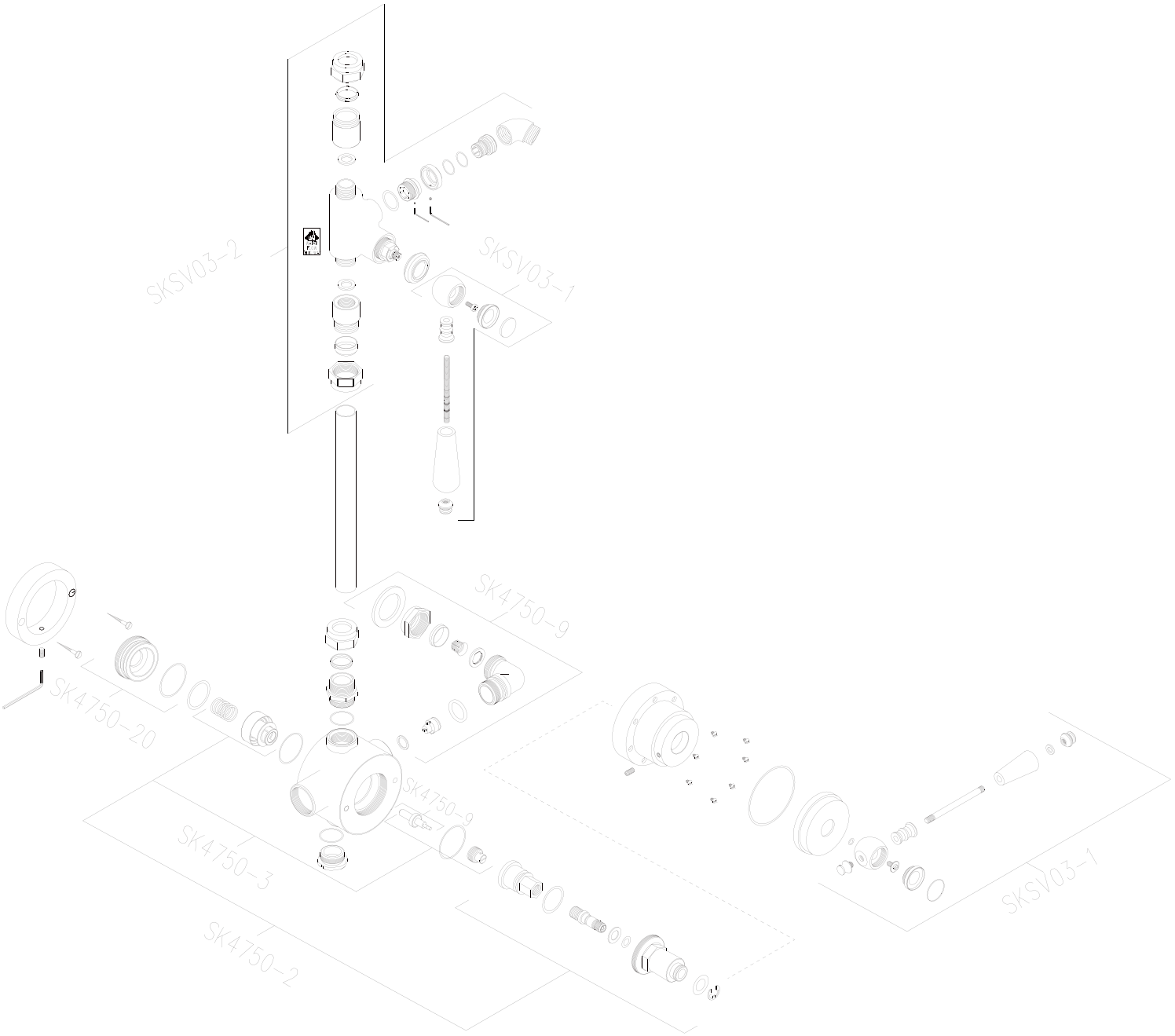


Fig 8

FAULT FINDER

Fault	Cause	Rectification
No or reduced flow and/or fluctuating temperature.	- Shower head blocked. - Isolating valve partially closed. - Instantaneous boiler cycling on and off as flow rate/pressure too low. - Bottom cap setting incorrect. - Gravity head of water below minimum required. - Blockage in supplies/mixing valve. - Other draw offs in use causing pressure or temperature changes. - Supply pressures unequal. - Flow limiters incorrectly fitted. - Air lock in system. - Shower cross circulating.	- Clear debris from shower head. - Open valve. - Adjust bottom cap setting. - Check boiler settings are correct. - Contact boiler manufacturer. - Adjust bottom cap setting. - Raise tank or fit pump. - Dismantle and check for debris. - Flush supplies before refitting. - Do not use other draw offs whilst showering. - See maximum pressure differential in Specifications. - Check Application Selection. - Check System Requirements for correct installation method. - Check non return valves and condition of seals.
Maximum outlet temperature too hot or too cold.	- Maximum temperature incorrectly set.	- Reset maximum temperature. Refer to Instructions.
Maximum temperature too cold or runs cold after a short time (maximum temperature set or fully adjusted).	- Hot water is less than 10°C above the outlet temperature required. - Insufficient hot water supply or storage (running out of hot water). - Instantaneous boiler not igniting as water flow rate/pressure too low.	- Adjust tank temperature to 60-65°C. Ensure hot water is up to temperature. - Check tank or heater capacities. Low capacity equals shorter showering time. - Adjust bottom cap setting. - Increase flow through system. - Increase pressure in system. - Check for blockages. - Contact boiler manufacturer.
Outlet flow too much.	- Flow limiters incorrectly fitted.	- Check Application Selection.
Only hot or cold water at outlet	- Inlet supplies reversed/backwards. - Inlet supplies blocked.	- Ensure supplies are connected correctly to hot and cold inlets. - Clean out debris.
Shower will not shut off or leaking from body.	- Seal damage or wear. - Scale build up inside mixer. - Inlet pressures above maximum recommendations.	- Renew all seals. - Dismantle and check for debris - Ensure supply pressures are within Specification. - Fit pressure regulating valve if necessary.
No thermostatic fail safe.	- Inlet temperatures not within specification. - Piston assembly jammed. - Thermostat failure. - Debris trapped in mechanism. - Inlet supplies reversed.	- Check inlet temperatures, hot supply should be 10°C higher than shower outlet temperature. - Dismantle and check for debris. - Replace thermostat. - Dismantle and check for debris. - Ensure supplies are connected correctly to hot and cold inlets.

Table 3

SPARE PART ORDERING CODES

DESCRIPTION	ORDERING CODE
VALVE SEALS KIT	SK4750-1
VALVE CARTRIDGE	SK4750-2
THERMO & PISTON	SK4750-3
ELBOW ASSEMBLIES (PAIR)	SK4750-9
DIVERTER ASSEMBLY	SKSV03-2
10" SHOWER ROSE	SK780691CP
THERMOSTAT ONLY	SK740012
CHROME HOSE	SK420104CP
HANDSET	HND26449C
HANDLE SET	SKSV03-2

BACK CAP ADJUSTMENT

\# Limiters can be fitted if water economy is required.
** The bottom cap is factory set at 3/4 turn from fully closed position.
*** **IMPORTANT!** - It is a requirement of Instantaneous Electric Water Heaters that a stable flow of water passes through the heater. This requirement can be satisfied by using a flow stabiliser fitted prior to the heater and should be adjusted to give a temperature of between 45-50°C from the heater.
Note. Flow limiters can be obtained from calling the service department who's number is shown below.

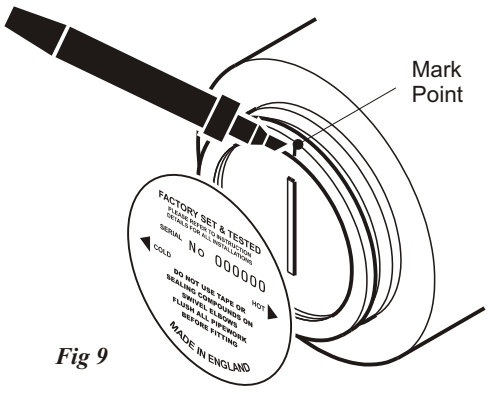


Fig 9 *Drawing for reference only.*

Remove wall bracket from mixing valve (see Installation). Peel off label to reveal Bottom Cap, with a marker pen, mark a point in-line with slot. Turn extra anticlockwise ½ (180°) turn using a screw driver. See ***Fig 9.***

Service Department
TEL . 0844 701 8503

HERITAGE GUARANTEE

All products are manufactured to the highest standards and 5-year guarantee covers any defect in manufacture.

In the unlikely event that you encounter a problem with your Heritage bathroom products, you should, in the first instance, return to the retailer who supplied you. They will advise whether it is due to faulty product or faulty installation. If the problem is due to a manufacturing fault, they will contact Heritage to arrange supply of a replacement product as soon as possible.

The guarantee excludes damage caused by accident, misuse or neglect and does not cover the following:

- Those components subject to wear and tear such as 'O' rings and washers etc,
- Damage caused by faulty installation,
- Damage caused by any waterborne debris,
- Damage caused by improper cleaning products,
- Damage caused by the use of non-Bristan parts,
- The product being used for a purpose other than intended.

The company reserves the right, in the event of a claim not covered by the guarantee, to charge the claimant for parts and labour at current rates. This guarantee is given in addition to and does not affect your statutory rights.

In the interests of continuous product development we reserve the right to alter the specification as necessary.

If you require further assistance please contact Heritage Sales and Technical Enquiries:

Sales: 0844 701 8501

Technical Tel: 0844 701 6245
Technical Fax: 0844 701 6246

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